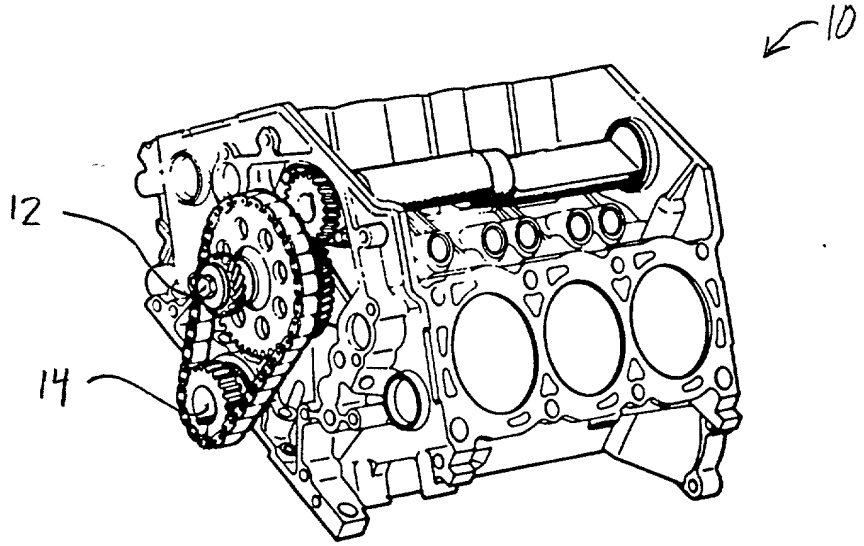

FIGURE 1.

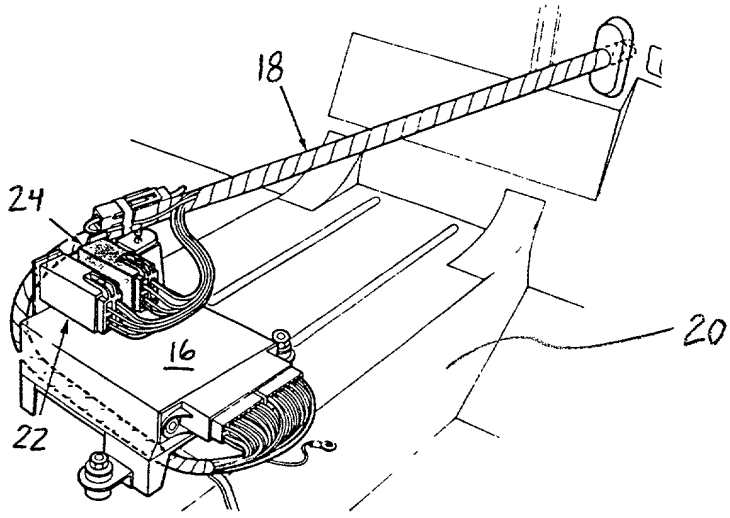

FIGURE 2.

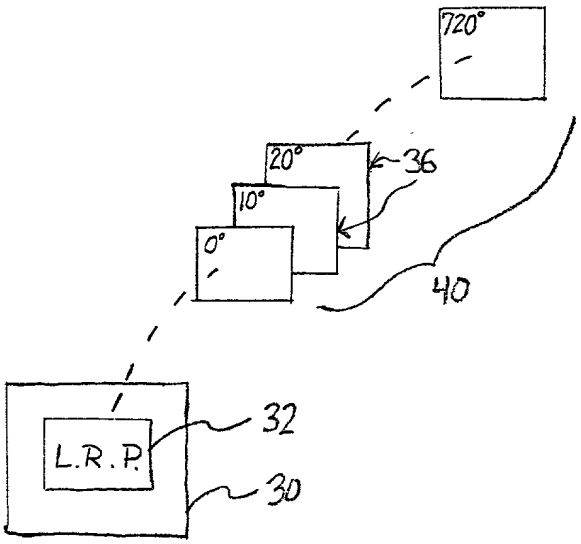

FIGURE 3.

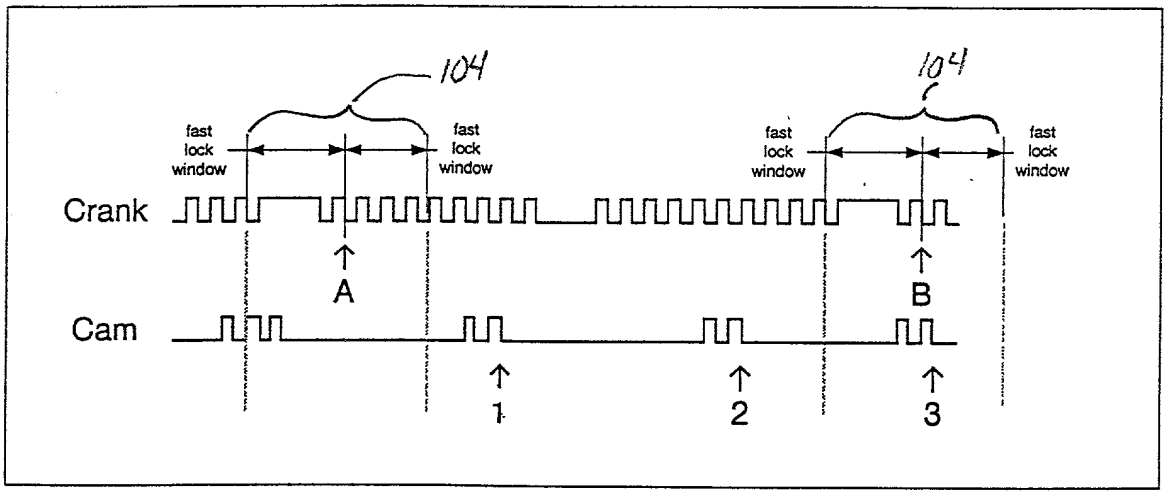

FIGURE 6.

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Bit	Function
50	Accumulate Period Data
52	Transfer Working Register
54	Accumulate Period Data
56	Accumulate Period Data
58	Generate Pulse 0.1 Degrees
60	Generate Pulse 10 Degrees
62	Period Capture
64	Interrupt
66	Interrupt
68	Interrupt
70	Interrupt

Figure 4

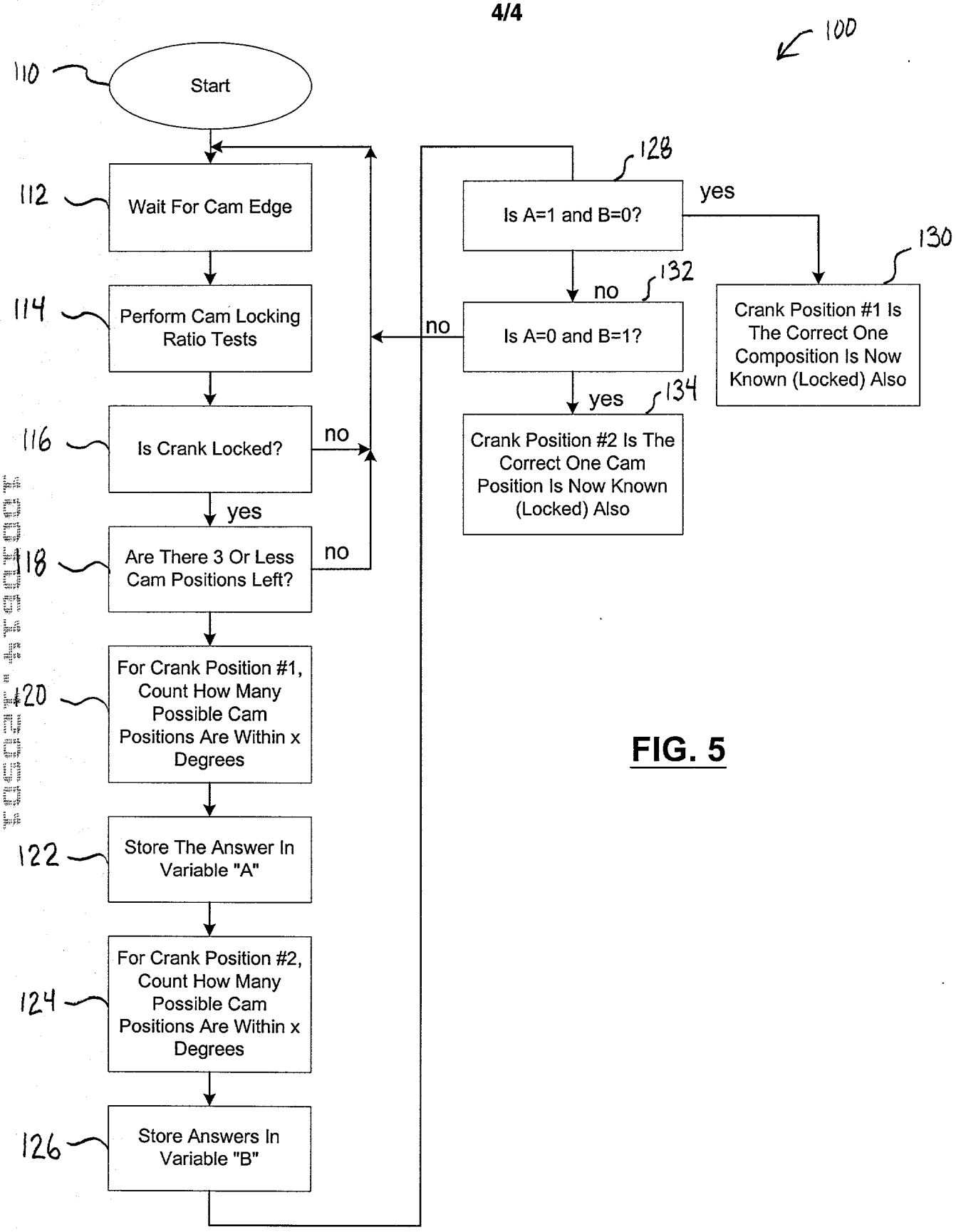
100
110
Start
112
Wait For Cam Edge
114
Perform Cam Locking Ratio Tests
116
Is Crank Locked?
no
yes
118
Are There 3 Or Less Cam Positions Left?
no
120
For Crank Position #1, Count How Many Possible Cam Positions Are Within x Degrees
122
Store The Answer In Variable "A"
124
For Crank Position #2, Count How Many Possible Cam Positions Are Within x Degrees
126
Store Answers In Variable "B"
128
Is A=1 and B=0?
yes
130
Crank Position #1 Is The Correct One Composition Is Now Known (Locked) Also
no
132
Is A=0 and B=1?
no
yes
134
Crank Position #2 Is The Correct One Cam Position Is Now Known (Locked) Also

FIG. 5